

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2004/000629

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: C22B 3/42

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: C22B, C25C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 3682589 A (RAYMOND H. MOORE), 8 August 1972 (08.08.1972), column 3, line 70 - column 4, line 43, abstract --	1,4-10
Y	WO 0134856 A1 (HOLBRAY PTY LTD), 17 May 2001 (17.05.2001), page 14, line 28 - page 15, line 5; page 25, line 10 - line 14; page 28, line 18 - line 20, claims 1-2,4,6 --	1,4-10

 Further documents are listed in the continuation of Box C. See patent family annex.

\* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

- "&" document member of the same patent family

Date of the actual completion of the international search

2 February 2005

Date of mailing of the international search report

07-02-2005

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<b>DATABASE WPI</b> Week 198635 Derwent Publications Ltd., London, GB; AN 1986-231264 & SU 1206327 A (LENINGRAD LENSOVET TECH) 23 January 1986 (1986-01-23) abstract --	1-27
A	US 2954276 A (WAYNE C. HAZEN), 27 Sept 1960 (27.09.1960), column 2, line 49 - line 52, claim 5, example VIII --	1-27
A	US 4150976 A (RICHARD J. DAIN), 24 April 1979 (24.04.1979), column 6, line 49 - line 52, abstract --	1-27
A	US 4963264 A (JAMES C. DAVIS), 16 October 1990 (16.10.1990), claims 1,6-7 --	1-27
A	Separation Science and Technology, Volume 34, No 16, 1999, Robert J. Fischer et al, "Silica-Polyamine Composite Materials for Heavy Metal Ion Removal, Recovery, and Recycling. II. Metal Ion Separations from Mine Wastewater and Soft Metal Ion Extraction Efficiency" page 3125 - page 3137 --	1-27
A	DE 2646857 B1 (DUISBURGER KUPFERHÜTTE), 17 November 1977 (17.11.1977), claim 1 -----	1-27

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INTERNATIONAL SEARCH REPORT  
Information on patent family members

31/12/2004

International application No.  
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